

Massachusetts Division of Fisheries & Wildlife

Forest Cutting Plan Summary

DCR File Number	343-2419-6
Natural Heritage Atlas	Extensive overlap with Priority or Estimated habitats for rare species
Public Drinking Water Supply	No
ACEC	No

Site Information:

Property: Birch Hill WMA	Town(s): Winchendon
Acres: 62	Road: New Boston Road
Forest Management Zone: Worcester Plateau	Wildlife District: Central
Ecoregion: Worcester-Monadnock Plateau	Watershed: Millers River
Stands Treated: CE807, CE924, CE942, CE1129	

Harvest Information:

Objectives: To (1) regenerate mature old-field white pine and mature red pine plantations and (2) establish patches of young forest habitat composed of a mixture of native central and northern hardwood tree species and white pine, including retained clusters and individual mature white pine, black cherry and oak(s) throughout that will continue to provide structural diversity, species diversity, mast, and other habitat features.

Harvest Start Date: May 12, 2007	Harvest End Date: To be Determined (2007-2009)
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Forest Products to be Harvested

Species	Board Foot Volume	Cords Firewood	Tons Pulpwood
White Pine	262 Mbf	-	682
Red Pine	96 Mbf	-	250
Red Maple/Mixed Hwd.	2 Mbf	24	-
Total	360 Mbf	24	932 Cords

Site Selection: This old-field white pine and red pine plantation were identified as a potential priority site for regeneration through a GIS analysis of DFW landcover data and subsequently confirmed during site evaluation. This GIS analysis attempts to identify potential stands that, for a variety of reasons, represent (A) high risk for storm (wind) damage or (B) high priority for conversion to less common habitat types. Mature, predominantly single species, old-field softwood stands and red pine plantations fit these criteria.

Silviculture: This is a seed tree regeneration harvest designed to establish diverse mixed stands of native hardwood and softwood trees. Regeneration sources include seed occurring in the soil, seed from adjacent untreated white pine, red oak, and aspen, small amounts of white pine and hardwood advance regeneration, and some hardwood sprouts (primarily aspen). Retained seed trees include individual and clustered white pine, and occasional oak and black cherry. Snag and den trees were also retained.

Rare Species Considerations: This harvest incorporates seasonal timing restrictions as well as volume removal restrictions provided by the Natural Heritage & Endangered Species Program to conserve rare species.

Plan Preparer:

Anne Marie Kittredge
Division of Fisheries & Wildlife

Licensed Timber Harvester:

Conkey & Sons Logging
Daniel Shays Highway

341 East Street
Belchertown, MA 01007
617-851-3577
MA Licensed Forester No. 126

Belchertown, MA 01007
MA Licensed Harvester No. 039-2007

Best Management Practices:

Stream Crossings: 1
Filter Strips: Four 50' filter strips

Wetland Crossings: Two
Harvesting in Wetlands: None

Stream Crossings	SC-1
Type of Crossing	Bridge
Existing Structure	No
Type of Bottom	Stony
Bank Height (ft)	1-2'
Stabilization	N/A

The need for multiple stream crossings has been avoided by providing multiple log deck locations along New Boston Road.

Wetland Crossings	WC-1	WC-2
Length of Crossing	30'	30'
Mitigation	Frozen/Dry	Frozen/Dry
Stabilization	Corduroy	Corduroy

Wetland crossings are short and stable. Machine crossings will be limited in number and will occur during dry, frozen or otherwise stable conditions.

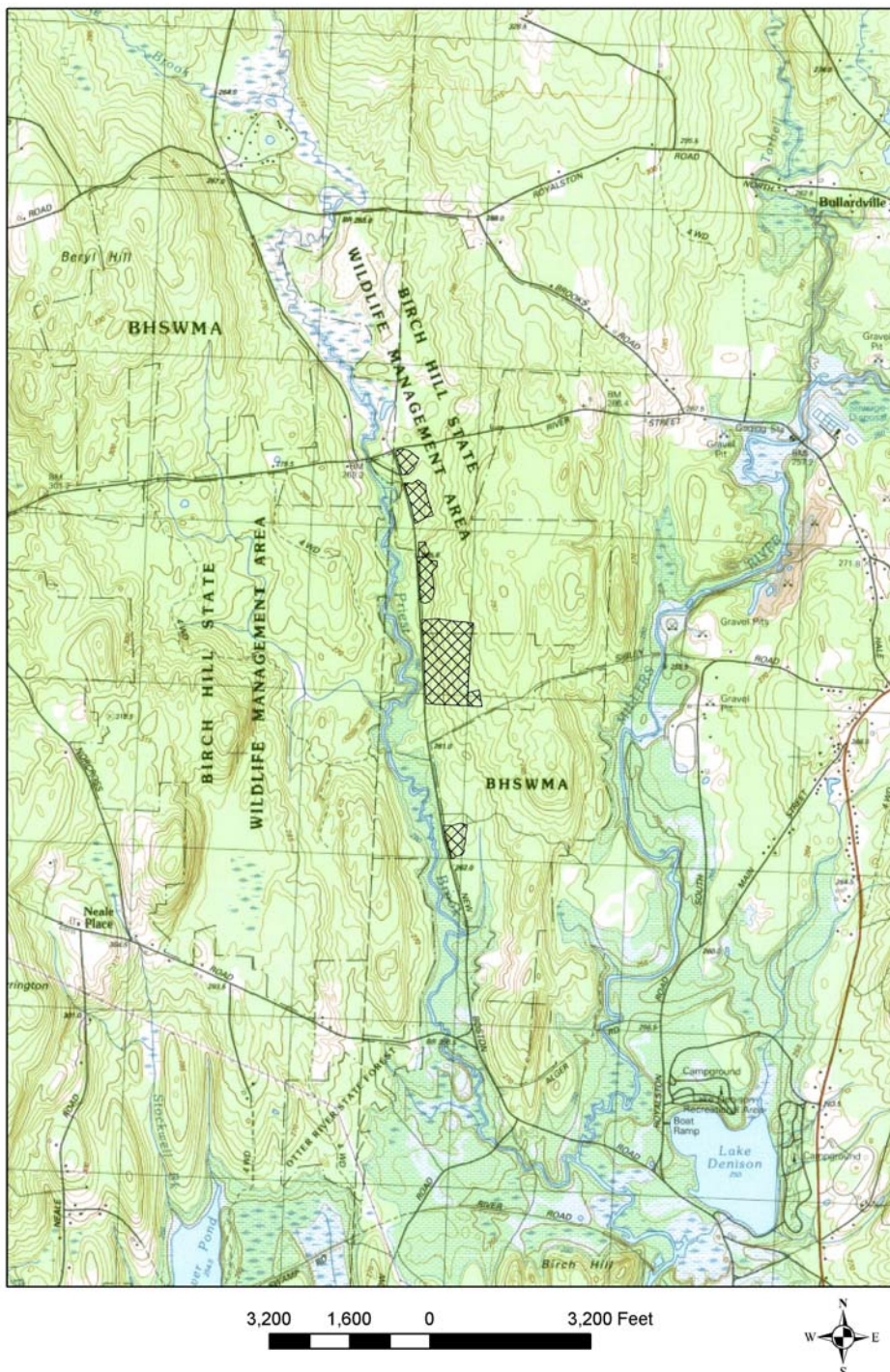
Cutting Standards:

Feature (see map)	Stand 1	Stand 2	Stand 3	Stand 4	Stand 5	Stand 6
Forest Type	Red Pine	White Pine	White Pine	White Pine	White Pine	Red Pine
Acres	11	1	7	36	1	6
Landowner Objective	Long Term	Long Term	Long Term	Long Term	Long Term	Long Term
Designation of Trees	Cut	Leave	Cut	Cut	Leave	Cut
Type of Cut	Seed Tree	Seed Tree	Seed Tree	Seed Tree	Seed Tree	Seed Tree
Source of Regeneration	Advance/Seed	Advance/Seed	Advance/Seed	Advance/Seed	Advance/Seed	Seed/Coppice

Determination of Status:

This Forest Cutting Plan was approved by DCR on May 25, 2006. Harvesting activities are currently suspended in compliance with seasonal rare species mitigation, and will likely resume during the winter of 2007-2008.

Locus Map



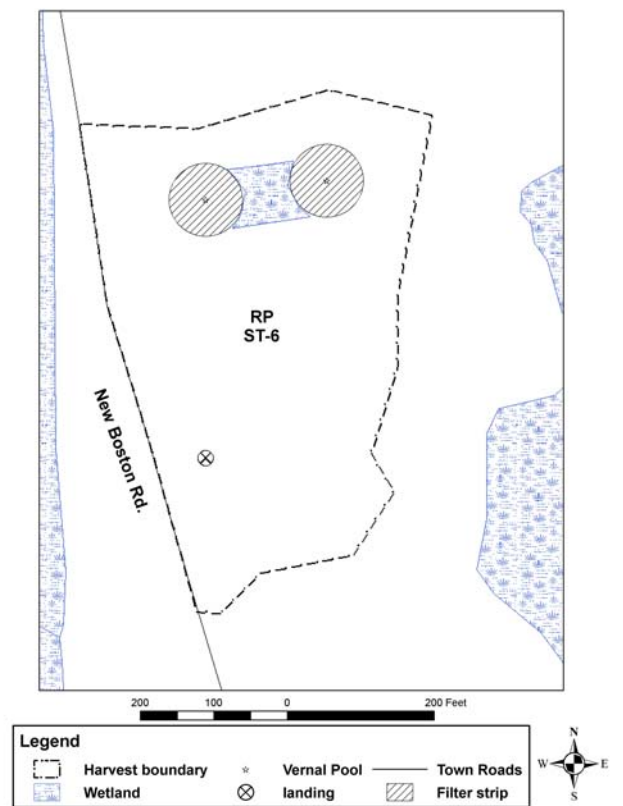
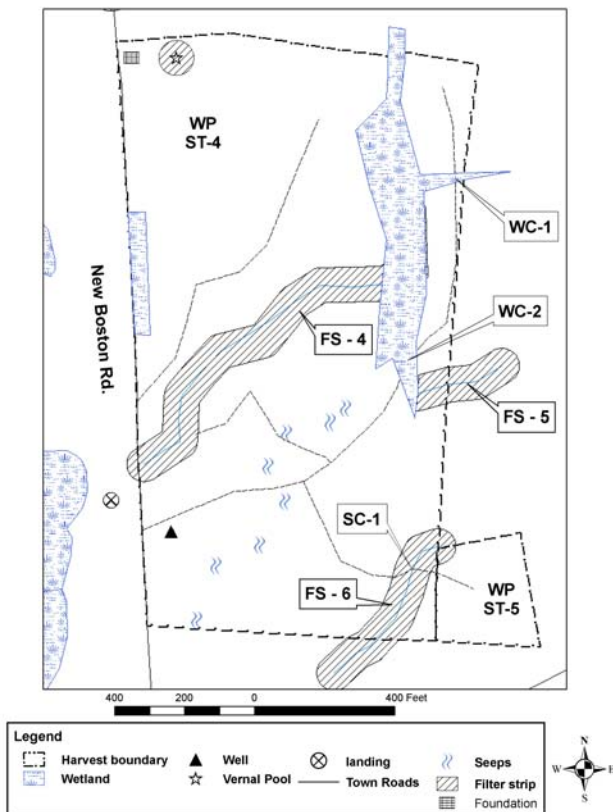
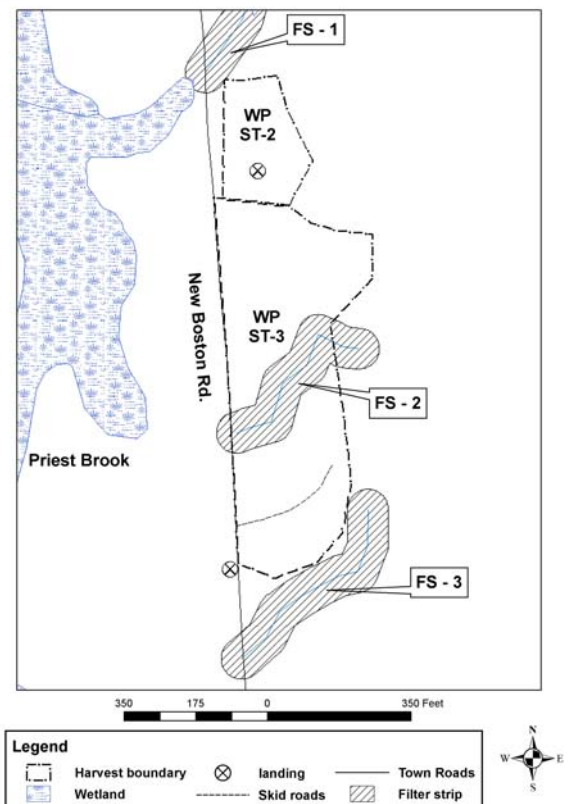
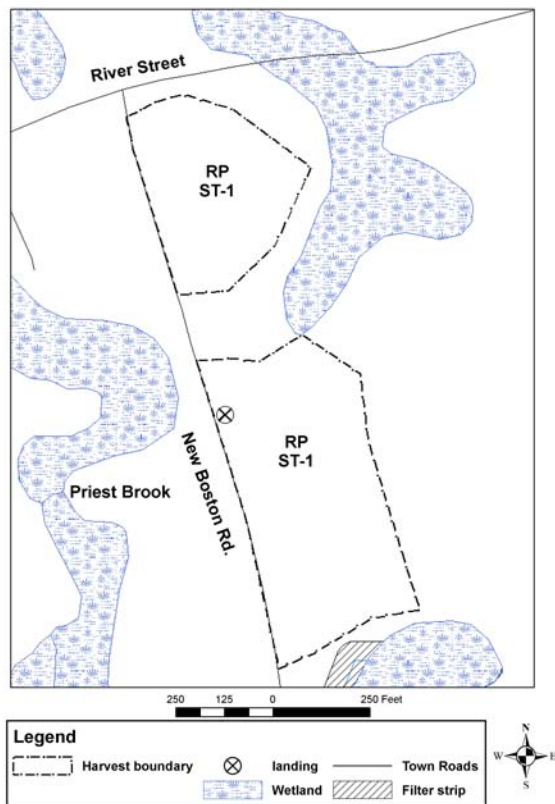


Fig. 1. Harvest areas for CE-BH-ts1, 2006-2008.

